BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanaka Division

Name of Work: Drilling of Borewells and Providing Pipe Line in Kempegowda Ward No.01

ABSTRACT OF BILL

1st & Final Bill

ıme of Agency: Sri.Shadayan (Ganesh Engineering Works)

ıl. No.	Description of work	Unit	Present Measurement			Remarks
			Qty	Rate Rs. & P.	Cost	
1	Supply of Water through Tanker	Load	0.00	510.00	0.00	
2	Geophysical Investigation of site for sinking Borewell for supplying drinking water to the habitation either through a hand pump, Mini Water Supply scheme, or Piped Water Supply Scheme by vertical electrical sounding by adopting venner or Schlumberger's method, including reconnaissance survey of geological formation, geophysical investigation of existing ground water in the vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation incluing an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc.,	Each	6.00	1831.00	10986.00	
3	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc.,complete) (RDWS G.O. Dt. 02.05-2019 Adoc Rates) C-13 I. No. 13.01 For New Borewells(For New Borewells)	Rmtr				
	a) 0.00 to 50.00 mtrs	Rmtr	300.00	297.00	89100.00	
	b) 50.00 to 100.00 mtrs	Rmtr	300.00	389.00	116700.00	
	c) 100.00 to 150.00 mtrs	Rmtr	300.00	433.00	129900.00	
	d) 150.00 to 200.00 mtrs	Rmtr	300.00	457.00	137100.00	
	e) 200.00 to 250.00 mtrs	Rmtr	300.00	529.00	158700.00	
	f) 250.00 to 300.00 mtrs	Rmtr	300.00	567.00	170100.00	
4	Supply of ISI mark 175mm nominal bore,Plain end steel casing pipe -grade of steel FE-410 of Wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7mtrs .Both ends threaded confirming to IS 554/1985,one end (Inclussive of all Taxes and Duties)	Rmtr	335.00	1289.00	431815.00	
5	Providing and Fixing 250mm dia PVC pipe and ad per specification and direction	Rmtr	60.00	1070.00	64200.00	
6	175 mm dia MS Casing Cap	Each	6.00	97.00	582.00	
7	MS Casing pipe collars 'C' Class	Each	54.00	146.00	7884.00	

No.	Description of work	Unit	Present Measurement			Remarks
			Qty	Rate Rs. & P.	Cost	
8	Supply & delivery at site brand new texmo/innoval/lubi/sabra/Ataianta/calamal/waterman/Radha make suitable HP deep well submersible pump set suitable or vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cages submersible induction ,motor suitable for operation of 3Ph, 50Hz 380/4400 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard, Non return valve etc complete the pump and motor shall from an integral unit with all the required fitting 17.50 HP 30 stage	Nos	6.00	68159.00	408954.00	
9	Providing laying & joining GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead& threads for joints wherever necessary as per direction including all lead & lift etc., complete ;A; grade (excluding cost of fittings) 50mm dia GI pipe	Rmtr	1380.00	264.00	364320.00	
10	Providing & fixing heavy duty collar	Nos	300.00	146.00	43800.00	
11	Supplying and Drawing 3 Core Flat PVC Shelted Submerisible Pump Cable Manufactured With Electrolytic grade copper with flexible copper conductor confirming to table 3 class 5of IS 8130 1984 and Virgin PVC insulation and Sheeated Suitable for working Voltage Upto 1100 Volts as per I-694:1990 & confirming to GTP of GROUP-A. 3C x 10.0Sqm	Rmtr	2550.00	179.00	456450.00	
12	Supplying & delivery at site brand new/essen/Lotus sunsines/Adarsh/GK controls best indigenous make combine energy meter-cum-control panel board unit of size 1200x600x300mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3Ph, 50Hz 380/440 volts AC supply with spring loaded latch locking with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board nit suitable for operation on 3Ph, 50Hz, 380/440 AC supply shall be consisted etc., complete T panel board shall be fabricated on single unit in the above components panel board for suitable pump set above 6.50 HP to 17.50 Hp with star delta starter.	Nos	6.00	13986.00	83916.00	
13	Fabricating supplying and mounting MS box of 16 SWG suitable for floor/Wall mounting, fully weather proof with provision for better hear description (Providing with hinged front over, quipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc, complete box of 21600 sq cm	Sqm	132000.00	0.32	42240.00	
14	Providing & Fixing of clamps set and borewell cap to the pump	Nos	6.00	652.00	3912.00	
15	Supplying and delivery of brand new best make non return valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark (50mm Gate wheel Valve)	Nos	18.00	961.00	17298.00	

No.	Description of work	Unit	Present Measurement			Remarks
			Qty	Rate Rs. & P.	Cost	
16	Supply & delivery of brans new best make gate valve of size 50mm as per IS 778/84 with latest amendment with ISI mark 50mm Gate valve for distributer pipeline, 50mm dia	Nos	18.00	1321.00	23778.00	
17	Labour charges foe erection of new/repaired submersible pumpset along with GI pipes (32/50mm) cable (new Submersible pumpset if required will be supplied by the department free of cost and released pump set should behanded over to department) including transportation(each Length=6.00m)	Per length	150.00	85.00	12750.00	
18	Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc, complete for basement out door type	Sqm	6.00	448.00	2688.00	
19	Supplying and fixing miniature circuit breakers/isolators in existing MCB distribution boards using necessary fixing materials and wiring complete as required 40 to 63 Amps DP	Nos	6.00	856.00	5136.00	
20	Supplying and fixing of Porcelain fuse channel with cut-out on existing / new wooden panel using necessary nuts,bolts and washers etc. 63Amps	Nos	18.00	141.00	2538.00	
21	Supplying and laying of L.T.U.G A Cable having aluminium conductor PVC insulated sheeted galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554)	Rmtr	150.00	160.00	24000.00	
22	Digging of trenches of 0.6mm x 0.50mtrs wide refilling the trench to the requiedground level and consolidatig etc., complete sutting road surface.	Rmtr	150.00	53.00	7950.00	
23	Supplying and fixing class A GI pipe on ple/Wall/drain crossing with necessary clamping arrangements fot UG cable of 1.1 KV cladd 40mm	Rmtr	18.00	278.00	5004.00	
24	Supplying snf fixing wiring earth electrode for grounding conduits, IC cut-outs and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit/the pit should be filled with equal proportion of salt and charcoal 150mm alround the pipe to the conduit etc., is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia bolts, nuts washers and checknuts etc., the pipe shall have 16 though holes of 122mm dia	Nos	6.00	1606.00	9636.00	
25	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmm UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts nuts and washers etc.,	Nos	6.00	256.00	1536.00	
26	Providing and fixing gun metal wheel valve conforming to IS specification of approved make as per directions including all lead and lift etc., complete.	Nos	18.00	735.00	13230.00	
27	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., size 20x20x2.5 inches	Nos	6.00	294.00	1764.00	

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanaka Division

Name of Work: Drilling of Borewells and Providing Pipe Line in Kempegowda Ward No.01

Measurement Sheet

1st & Final Bill

ne of Agency: Sri.Shadayan (Ganesh Engineering Works)

n No.	3a								
tem ame:	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc.,complete) (RDWS G.O. Dt. 02.05-2019 Adoc Rates) C-13 I. No. 13.01 For New Borewells(For New Borewells)								

. NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:								
	a) 0.00 to 50.00 mtrs							
	ruthinagara 1st Main, GYM Road 6th A to 7th A Cross Centre	1	50.00				50.00	
	ruthinagara 5th Cross, Smt lira HK DevadasNo.57 2nd Phase	1	50.00				50.00	
	urabhi Layout 4th Cross, front of Cheeranjivi Doctor House	1	50.00				50.00	
	ivanahalli Main Road, VDB Celadon Front	1	50.00				50.00	C&P
	Ayyappa Temple	1	50.00				50.00	
	PMD	1	50.00				50.00	
	Total Quantity						300.00	Rmtr
	Quantity Carried to Summary						300.00	Rmtr

Asst Engineer
Ward No 01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk. Zn)

Asst. Executive Engineer
Yelahanka Sub. Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanaka Division

Name of Work: Drilling of Borewells and Providing Pipe Line in Kempegowda Ward No.01

Measurement Sheet

1st & Final Bill

ame of Agency: Sri.Shadayan (Ganesh Engineering Works)

em No.	3b								
Item Name:	b) 50.00 to 100.00 mtrs								

SL NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			11/09/2020, 16/09/2020					
	laruthinagara 1st Main, GYM Road 6th A to 7th A Cross Centre	1	50.00				50.00	
	laruthinagara 5th Cross, Smt ndira HK DevadasNo.57 2nd Phase	1	50.00				50.00	
	Surabhi Layout 4th Cross, nfront of Cheeranjivi Doctor House	1	50.00				50.00	
	hivanahalli Main Road, VDB Celadon Front	1	50.00				50.00	C&FC
	Ayyappa Temple	1	50.00				50.00	
	PMD	1	50.00				50.00	
	Total Quantity						300.00	Rmtr
	Quantity Carried to Summary						300.00	Rmtr

Asst Engineer
Ward No 01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Yelk. Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanaka Division

Name of Work: Drilling of Borewells and Providing Pipe Line in Kempegowda Ward No.01

Measurement Sheet

1st & Final Bill

ame of Agency: Sri.Shadayan (Ganesh Engineering Works)

em No.	3c								
Item Name:	c) 100.00 to 150.00 mtrs								

5L NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:								
	laruthinagara 1st Main, GYM Road 6th A to 7th A Cross Centre	1	50.00				50.00	
	laruthinagara 5th Cross, Smt ndira HK DevadasNo.57 2nd Phase	1	50.00				50.00	
	Surabhi Layout 4th Cross, nfront of Cheeranjivi Doctor House	1	50.00				50.00	
	hivanahalli Main Road, VDB Celadon Front	1	50.00				50.00	C&E
	Ayyappa Temple	1	50.00				50.00	
	PMD	1	50.00				50.00	
	Total Quantity						300.00	Rmtr
	Quantity Carried to Summary						300.00	Rmtr

Asst Engineer
Ward No 01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP, Ynk. Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanaka Division

Name of Work: Drilling of Borewells and Providing Pipe Line in Kempegowda Ward No.01

Measurement Sheet

1st & Final Bill

ame of Agency: Sri.Shadayan (Ganesh Engineering Works)

em No.	3d								
Item Name:	d) 150.00 to 200.00 mtrs								

SL NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:								
aruthinagara 1st Main, GYM Road 6th A to 7th A Cross Centre		1	50.00				50.00	
aruthinagara 5th Cross, Smt dira HK DevadasNo.57 2nd Phase		1	50.00				50.00	
Surabhi Layout 4th Cross, front of Cheeranjivi Doctor House		1	50.00				50.00	C&RC
ávanahalli Main Road, VDB Celadon Front		1	50.00				50.00	
Ayyappa Temple		1	50.00				50.00	
PMD		1	50.00				50.00	
	Total Quantity						300.00	Rmtr
	Quantity Carried to Summary						300.00	Rmtr

Asst Engineer
Ward No 01
BBMP

Asst Executive Engineer
Yelahanka Sub Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanaka Division

Name of Work: Drilling of Borewells and Providing Pipe Line in Kempegowda Ward No.01

Measurement Sheet

1st & Final Bill

ame of Agency: Sri.Shadayan (Ganesh Engineering Works)

em No.	3e								
Item Name:	e) 200.00 to 250.00 mtrs								

SL NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
	Pre-Measurement Recorded On:							
	laruthinagara 1st Main, GYM Road 6th A to 7th A Cross Centre	1	50.00				50.00	
	laruthinagara 5th Cross, Smt ıdira HK DevadasNo 57 2nd Phase	1	50.00				50.00	
	Surabhi Layout 4th Cross, nfront of Cheeranjivi Doctor House	1	50.00				50.00	
	ivanahalli Main Road, VDB Celadon Front	1	50.00				50.00	
	Ayyappa Temple	1	50.00				50.00	
	PMD	1	50.00				50.00	
	Total Quantity						300.00	Rmtr
	Quantity Carried to Summary						300.00	Rmtr

Asst Engineer
Ward No 01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Vrtk. Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanaka Division

Name of Work: Drilling of Borewells and Providing Pipe Line in Kempegowda Ward No.01

Measurement Sheet

1st & Final Bill

ıme of Agency: Sri.Shadayan (Ganesh Engineering Works)

em No.	3f								
Item Name:	f) 250.00 to 300.00 mtrs								
L NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS	
Pre-Measurement Recorded On:									
aruthinagara 1st Main, GYM Road 6th A to 7th A Cross Centre		1	50.00				50.00		
aruthinagara 5th Cross, Smt dira HK DevadasNo.57 2nd Phase		1	50.00				50.00		
Surabhi Layout 4th Cross, front of Cheeranjivi Doctor House		1	50.00				50.00		
ivanahalli Main Road, VDB Celadon Front		1	50.00				50.00	C&PC	
Ayyappa Temple		1	50.00				50.00		
PMD		1	50.00				50.00		
	Total Quantity						300.00	Rmtr	
	Quantity Carried to Summary						300.00	Rmtr	

Asst Engineer
Ward No 01
BBMP

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP, Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanaka Division

Name of Work: Drilling of Borewells and Providing Pipe Line in Kempegowda Ward No.01

Measurement Sheet

1st & Final Bill

me of Agency: Sri.Shadayan (Ganesh Engineering Works)

m No.	4								
tem lame:	Supply of ISI mark 175mm nominal bore,Plain end steel casing pipe -grade of steel FE-410 of Wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7mtrs .Both ends threaded confirming to IS 554/1985,one end (Inclussive of all Taxes and Duties)								
L NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS	
Pre-Measurement Recorded On:									
ıruthinagara 1st Main, GYM Road 6th A to 7th A Cross Centre		1	60.00				60.00		
aruthinagara 5th Cross, Smt dira HK DevadasNo.57 2nd Phase		1	73.00				73.00		
Surabhi Layout 4th Cross, front of Cheeranjivi Doctor House		1	64.00				64.00	C&R	
avanahalli Main Road, VDB Celadon Front		1	48.00				48.00		
Ayyappa Temple		1	45.00				45.00		
PMD		1	45.00				45.00		
	Total Quantity						335.00	Nos	
	Quantity Carried to Summary						335.00	Nos	

Asst Engineer
Ward No 01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk Zn)
Yelahanka, Bangalore

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanaka Division

Name of Work: Drilling of Borewells and Providing Pipe Line in Kempegowda Ward No.01

Measurement Sheet

1st & Final Bill

of Agency: Sri.Shadayan (Ganesh Engineering Works)

No.	9								

n ne:	Providing laying & joining GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead& threads for joints wherever necessary as per direction including all lead & lift etc , complete ;A; grade (excluding cost of fittings) 50mm dia GI pipe

NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:								
thinagara 1st Main, GYM ad 6th A to 7th A Cross Centre		1	240.00				240.00	
thinagara 5th Cross, Smt ra HK DevadasNo.57 2nd Phase		1	235.00				235.00	
rabhi Layout 4th Cross, ont of Cheeranjivi Doctor House		1	220.00				220.00	
anahalli Main Road, VDB Celadon Front		1	225.00				225.00	CSPC
Ayyappa Temple		1	235.00				235.00	
PMD		1	225.00				225.00	
	Total Quantity						1380.00	Rmtr
	Quantity Carried to Summary						1380.00	Rmtr

Asst Engineer
Ward No 01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Mrk. Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanaka Division

Name of Work: Drilling of Borewells and Providing Pipe Line in Kempegowda Ward No.01

Measurement Sheet

1st & Final Bill

Agency: Sri.Shadayan (Ganesh Engineering Works)

.	12							

Supplying & delivery at site brand new/essen/Lotus sunsines/Adarsh/GK controls best indigenous make combine energy meter-cum-control panel board unit of size 1200x600x300mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3Ph, 50Hz 380/440 volts AC supply with spring loaded latch locking with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board nit suitable for operation on 3Ph, 50Hz, 380/440 AC supply shall be consisted etc., complete T panel board shall be fabricated on single unit in the above components panel board for suitable pump set above 6.50 HP to 17 50 Hp with star delta starter.

)	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
e-Measurement Recorded On:								
inagara 1st Main, GYM d 6th A to 7th A Cross Centre		1					1.00	
hinagara 5th Cross, Smt . HK DevadasNo 57 2nd Phase		1					1.00	
abhi Layout 4th Cross, nt of Cheeranjivi Doctor House		1					1.00	C&Pc
nahalli Main Road, VDB Celadon Front		1					1.00	
Ayyappa Temple		1					1.00	
PMD		1					1.00	
	Total Quantity						6.00	Nos
	Quantity Carried to Summary						6.00	Nos

Asst Engineer
Ward No 01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP
(BBMP Yhk. Zn)

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanaka Division

Name of Work: Drilling of Borewells and Providing Pipe Line in Kempegowda Ward No.01

Measurement Sheet

1st & Final Bill

of Agency: Sri.Shadayan (Ganesh Engineering Works)

No.	15								
n ie:	Supplying and delivery of brand new best make non return valve of size 50mm as per IS 778/84 with latest amendments with ISI mark (50mm Gate wheel Valve)								
iO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS	
re-Measurement Recorded On:									
thinagara 1st Main, GYM id 6th A to 7th A Cross Centre		1	3.00				3.00		
thinagara 5th Cross, Smt a HK DevadasNo.57 2nd Phase		1	3.00				3.00		
rabhi Layout 4th Cross, nt of Cheeranjivi Doctor House		1	3.00				3.00		
anahalli Main Road, VDB Celadon Front		1	3.00				3.00		
Ayyappa Temple		1	3.00				3.00		
PMD		1	3.00				3.00		
						Total Quantity	18.00	Nos	
						Quantity Carried to Summary	18.00	Nos	

CYPC

Asst Engineer
Ward No 01
BBMP

Asst Executive Engineer
Yelahanka Sub Division
(BBMP North Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanaka Division

Name of Work: Drilling of Borewells and Providing Pipe Line in Kempegowda Ward No.01

Measurement Sheet

1st & Final Bill

e of Agency: Sri.Shadayan (Ganesh Engineering Works)

No.	16								
m me:	Supply & delivery of brans new best make gate valve of size 50mm as per IS 778/84 with latest amendment with ISI mark 50mm Gate valve for distributer pipeline, 50mm dia								

NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:								
uthinagara 1st Main, GYM oad 6th A to 7th A Cross Centre		1	3.00				3.00	
uthinagara 5th Cross, Smt ira HK DevadasNo.57 2nd Phase		1	3.00				3.00	
urabhi Layout 4th Cross, ront of Cheeranjivi Doctor House		1	3.00				3.00	
vanahalli Main Road, VDB Celadon Front		1	3.00				3.00	
Ayyappa Temple		1	3.00				3.00	
PMD		1	3.00				3.00	
	Total Quantity						18.00	Each
	Quantity Carried to Summary						18.00	Each

Asst Engineer
Ward No 01
BBMP

Asst Executive Engineer
Yelahanka Sub Division
(BBMP Yak. Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanaka Division

Name of Work: Drilling of Borewells and Providing Pipe Line in Kempegowda Ward No.01

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shadayan (Ganesh Engineering Works)

No.	23								

Item: Supplying and fixing class A GI pipe on ple/Wall/drain crossing with necessary clamping arrangements fot UG cable of 1.1 KV cladd 40mm

NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:								
ruthinagara 1st Main, GYM Road 6th A to 7th A Cross Centre		1	3.00				3.00	
ruthinagara 5th Cross, Smt dira HK DevadasNo.57 2nd Phase		1	3.00				3.00	
Surabhi Layout 4th Cross, front of Cheeranjivi Doctor House		1	3.00				3.00	
uvanahalli Main Road, VDB Celadon Front		1	3.00				3.00	C&P
Ayyappa Temple		1	3.00				3.00	
PMD		1	3.00				3.00	
						Total Quantity	18.00	Mtr
						Quantity Carried to Summary	18.00	Mtr

Asst Engineer
Ward No 01
BBMP

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP/Ynk. Zn)
BBMP
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanaka Division

Name of Work: Drilling of Borewells and Providing Pipe Line in Kempegowda Ward No.01

Measurement Sheet

1st & Final Bill

e of Agency: Sri.Shadayan (Ganesh Engineering Works)

No	24								
em ame:	Supplying snf fixing wiring earth electrode for grounding conduits, IC cut-outs and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit/the pit should be filled with equal proportion of salt and charcoal 150mm alround the pipe to the conduit etc., is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia bolts, nuts washers and checknuts etc., the pipe shall have 16 though holes of 122mm dia								

NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:								
ruthinagara 1st Main, GYM Road 6th A to 7th A Cross Centre		1					1.00	
aruthinagara 5th Cross, Smt dira HK DevadasNo.57 2nd Phase		1					1.00	
Surabhi Layout 4th Cross, front of Cheeranjivi Doctor House		1					1.00	
hivanahalli Main Road, VDB Celadon Front		1					1.00	CEPC
Ayyappa Temple		1					1.00	
PMD		1					1.00	
	Total Quantity						6.00	Nos
	Quantity Carried to Summary						6.00	Nos

Asst Engineer
Ward No 01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ypk. Zn)
BBMP
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanaka Division

Name of Work: Drilling of Borewells and Providing Pipe Line in Kempegowda Ward No.01

Measurement Sheet

1st & Final Bill

e of Agency: Sri.Shadayan (Ganesh Engineering Works)

No.	25								
em me:	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmm UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts nuts and washers etc.,								

NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:								
ruthinagara 1st Main, GYM oad 6th A to 7th A Cross Centre		1					1.00	
ruthinagara 5th Cross, Smt dira HK DevadasNo.57 2nd Phase		1					1.00	
Surabhi Layout 4th Cross, front of Cheeranjivi Doctor House		1					1.00	
ivanahalli Main Road, VDB Celadon Front		1					1.00	
Ayyappa Temple		1					1.00	
PMD		1					1.00	
							6.00	Nos
							6.00	Nos

C&R

Asst Engineer
Ward No 01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanaka Division

Name of Work: Drilling of Borewells and Providing Pipe Line in Kempegowda Ward No.01

Measurement Sheet

1st & Final Bill

e of Agency: Sri.Shadayan (Ganesh Engineering Works)

No.	26								
m me:	Providing and fixing gun metal wheel valve conforming to IS specification of approved make as per directions including all lead and lift etc., complete.								

NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:								
uthinagara 1st Main, GYM oad 6th A to 7th A Cross Centre		1	3.00				3.00	
ruthinagara 5th Cross, Smt lira HK DevadasNo.57 2nd Phase		1	3.00				3.00	
urabhi Layout 4th Cross, front of Cheeranjivi Doctor House		1	3.00				3.00	
avanahalli Main Road, VDB Celadon Front		1	3.00				3.00	C SPC
Ayyappa Temple		1	3.00				3.00	
PMD		1	3.00				3.00	
	Total Quantity						18.00	Each
	Quantity Carried to Summary						18.00	Each

Asst Engineer
Ward No 01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk. Zn)
BBMP
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanaka Division

ame of Work: Drilling of Borewells and Providing Pipe Line in Kempegowda Ward No.01

Measurement Sheet

1st & Final Bill

e of Agency: Sri.Shadayan (Ganesh Engineering Works)

No.	34							

em ame: KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5

NO	CHAINAGE	NO	L (m)	B1 (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:							
	Shivanahalli Cross Road	1	30.00	0.60	0.75	13.50	Exec
	Total Quantity					13.50	Cum
	Quantity Carried to Summary					13.50	Cum

Asst Engineer
Ward No 01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP
Yelahanka, Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanaka Division

Name of Work: Drilling of Borewells and Providing Pipe Line in Kempegowda Ward No.01

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shadayan (Ganesh Engineering Works)

Item No	30								
Item Name:	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.								

SL NO	CHAINAGE	NO	L (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:								
	Shivanahalli Cross Road	1	30.00	0.60		0.70	12.60	C&PC
	Total Quantity						12.60	Cum
	Quantity Carried to Summary						12.60	Cum

Asst Engineer
Ward No 01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore